

Date : Jan.30,2017

## Temperature increase of main components

Model: MGFW1048□□

### 1. Conditions

- (1) Input :DC 48 [V]
- (2) Output :Rated output
- (3) Cooling method :Convection cooling
- (4) Mounting method :Shown as Fig.1.1

### 2. Result

Table 2.1 Temperature increase of main components

No.	Parts name	Symbol No.	Increase ( $\Delta T$ )		Rated temp. [°C]	Reference
			[deg]			
			$\pm 12V$	$\pm 15V$		
1	Switching MOS-FET	TR11	48	47	150	Junction Temp.
2	Switching MOS-FET	TR101	51	51	150	Junction Temp.
3	Rectified diode(Output)	D202	56	54	150	Junction Temp.
4	Photocoupler	PC11	48	46	125	Junction Temp.
5	Transformer (PCB)	P2	54	52	130	
6	CASE	CASE	48	46	105	Top Surface Center
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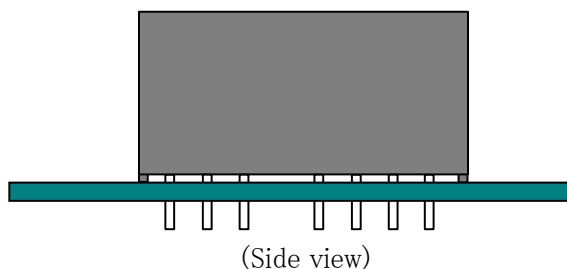


Fig.1.1 Mounting method  
(Normal position)